

## **A glance at molecular Identification of bamboo (poaceae: bambusoideae)**

### **ABSTRACT**

Conservation of plant species plays a vital role in preventing the loss of valuable plant resources. The success of conservation depends on the correct identification and characterization of plant species. Bamboo is one of the most important plants with multiple uses that have contributed to the economy and socio-economy of many people in rural areas. It is under the subfamily of Bambusoideae that includes both woody and herbaceous bamboo. Conventionally, like other plants, bamboo has been classified dependently based on morphological characteristics. However, morphological identification leads to difficulties and misclassification of bamboo species due to their infrequent flowering behaviour and peculiar reproductive biology. Since then, molecular markers have been introduced to overcome the problems associated with bamboo taxonomy and phylogeny. This paper provides an overview of the diverse, predominantly molecular techniques used to assess and determine the genetic diversity of bamboo species.